

In the Claims:

Please replace all previous lists of claims with the list of claims as shown below.

1. (Previously Presented) A tool for removing a contaminant from the surface of a workpiece, comprising:
a torch including:
 - a first source of combustible process gas;
 - an outer tube connected with the first source to communicate the combustible process gas to generate a flame;
 - a second source of a reactive precursor that transforms in the presence of the flame to a reactive species that chemically combines with the contaminant; and
 - an inner tube nested within the outer tube and communicating the reactive precursor from the second source to the flame;a staging component operable to position the workpiece;
a translating component operable to translate at least one of the workpiece and the torch; and
said torch operable to combine a reactive species produced from the reactive precursor chemically with a contaminant on the surface of the workpiece to clean the surface of the workpiece.
2. (Canceled)
3. (Previously Presented) A tool for removing a contaminant from the surface of a workpiece, comprising:
a torch including:
 - a first source of combustible process gas;
 - an outer tube connected with the first source to communicate the combustible process gas to generate a flame;
 - a second source of a reactive precursor that transforms in the presence of the flame to a reactive species that chemically combines with the contaminant; and
 - an inner tube nested within the outer tube and communicating the reactive precursor from the second source to the flame;a translator that can translate at least one of a workpiece and said torch;
wherein said flame receives the reactive precursor and generates a reactive species capable of chemically combining with a contaminant on the surface of the workpiece to produce a gas and leave the surface.

4. (Previously Presented) A tool according to claim 3, further comprising:
a controlling component operable to generate a hydrogen-oxygen flame via the torch.
5. (Previously Presented) A tool according to claim 3, further comprising:
a controlling component operable to produce a stream of atomic radicals that can be used to modify a surface via the torch.
6. (Previously Presented) A tool according to claim 3, further comprising:
a controlling component operable to produce a stream that can modify a surface by a process selected from the group consisting of cleaning, passivating, and activating via the torch.
7. (Previously Presented) A tool according to claim 3, further comprising:
a controlling component operable to produce a stream of atomic radicals that can modify a surface by a process selected from the group consisting of shaping, polishing, etching, planarizing, and redepositing via the torch.
8. (Previously Presented) A tool according to claim 3, further comprising:
a flame suppressor in said torch.
9. (Previously Presented) A tool according to claim 3, wherein:
said process gas is one of a fuel and an oxidizer.
10. (Previously Presented) A tool according to claim 3, wherein:
said process gas is selected from the group consisting of oxygen and hydrogen.
11. (Canceled)
12. (Previously Presented) A tool according to claim 3, wherein:
said reactive precursor is selected from the group consisting of CF₄, O₂, Cl and NH₃.
13. (Previously Presented) A tool according to claim 3, wherein:
said torch has a chemically inert metal tip.

14. (Previously Presented) A tool according to claim 3, wherein:
said translator is a rotational stage for supporting the workpiece and rotating the workpiece with respect to the torch.
15. (Previously Presented) A tool according to claim 3, wherein:
said torch includes a multi-nozzle burner.
- 16.-22. (Canceled)
23. (Previously Presented) The tool of claim 3, wherein the flame is generated downstream from a distal end of the inner tube.
24. (Previously Presented) The tool of claim 3, wherein the reactive precursor is introduced to the torch upstream from the flame.